

LIPPIA YUCATANA Loes.

Additional bibliography: Mold., *Phytologia* 48: 270 (1981) and 52: 116. 1982.

The Bourgeau collection, cited below, was previously cited by me as representing *L. umbellata* Cav., which would appear more likely in view of the area in which it was collected, but the sheet cited below certainly bears a most striking resemblance to *L. yucatana*.

Additional citations: MEXICO: Distrito Federal: Bourgeau 968 (W--2546645). Yucatán: Gaumer 971 (W--1267189), 24176 (W--1268257); Gaymer & sons 23627 (W--1267909).

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A SIXTH SUMMARY OF THE VERBENACEAE, AVICENNIACEAE, STILBACEAE,
CHLOANTHACEAE, SYMPHOREMACEAE, NYCTANTHACEAE, AND ERIOCAULACEAE
OF THE WORLD AS TO VALID TAXA, GEOGRAPHIC DISTRIBUTION AND
SYNONYMY. SUPPLEMENT 4

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Since the last previous supplement to this work was issued (*Phytologia* 54: 228--245. 1983) no less than 3,35 new herbarium specimens have been examined in these groups, bringing the total examined and annotated to date to 268,065. These specimens, along with continued library research, have brought to light many additions and emendations to the known geographic distribution of the members of these plant families, as well as many new valid and invalid scientific names, including orthographic and accreditation variants.

It should also be noted here that recent studies by Marais at the Royal Botanic Gardens, Kew, show that the genera *Asepalum* Marais and *Cyclocheilon* Oliv. should be segregated as the new family, *Cyclocheilaceae* Marais and the genus *Nesogenes* A. DC. should be separated as the family *Nesogenaceae* Marais. Also, on etymological and grammatical grounds the family name, *Sympohoremaceae*, should be changed to *Sympohremataceae*.

For substantiation of the new records and for citation of the places and dates of publication of the new names, see my papers on the individual genera involved, mostly in the present journal.

I. Geographic distribution additions and emendations:

UNITED STATES OF AMERICA:

Connecticut:

Eriocaulon pellucidum f. *clausenii* Mold. [New London County]*
New York:

Verbena hastata f. *rosea* Cheney [Sullivan County]
New Jersey:

Eriocaulon pellucidum Michx. [Warren County]
Pennsylvania:

Verbena simplex Lehm. [Huntington County]

Virginia:

- Eriocaulon compressum* Lam. [Fairfax County]
Eriocaulon parkeri B. L. Robinson [Caroline, Essex, Gloucester,
Richmond, & Stafford Counties]
Lachnocaulon anceps (Walt.) Morong [King George & Richmond Coun-
ties]

Georgia:

- Eriocaulon lineare* Small [Seminole County]
Phyla nodiflora var. *texensis* Mold. [Sapelo Island]

Florida:

- Eriocaulon compressum* var. *harperi* Mold. [Liberty County]
Lachnocaulon anceps (Walt.) Morong [Flagler County]
Lachnocaulon beyrichianum Sporleder [Santa Rosa County]
Lachnocaulon glabrum Körn. [Santa Rosa County]
Syngonanthus flavidulus (Michx.) Ruhl. [Big Pine & Santa Rosa Is-
lands]
Verbena brasiliensis Vell. [Saint Johns County]
Verbena halei Small [Suwannee County]
Verbena tenuisecta Briq. [Nassau County]

Illinois:

- Verbena urticifolia* L. [Gasconade County]

Kentucky:

- Phyla lanceolata* (Michx.) Greene [Lyon County]

Michigan:

- Phyla lanceolata* (Michx.) Greene [Lanawee County]
Verbena bracteata Lag. & Rodr. [North Manitou Island]
Verbena hastata L. [Menominee & Oceana Counties]
Verbena stricta Vent. [South Manitou Island]
Verbena urticifolia L. [Oceana Island]

Minnesota:

- Eriocaulon pellucidum* Michx. [Itasca County]

North Dakota:

- Verbena hastata* var. *scabra* Mold. [Ransom County]

Missouri:

- Verbena canadensis* (L.) Britton [Sainte Genevieve County]

Arkansas:

- Verbena canadensis* (L.) Britton [Miller County]

Louisiana:

- Clerodendrum bungei* Steud. [Iberia Parish]
Lantana montevidensis (Spreng.) Briq. [Saint Tammany Parish]
Lantana tiliacefolia Cham. [Ouachita Parish]
Lantana urticoides Hayek [Allen, Cameron, & Iberia Parishes; Avery
Island]
Verbena montevidensis Spreng. [Allen, Bienville, Ouachita, & Wash-
ington Parishes]

Utah:

- Phyla cuneifolia* (Torr.) Greene [Wayne County]
Phyla nodiflora (L.) Greene [Washington County]
Phyla nodiflora var. *rosea* (D. Don) Mold. [Washington County]

Texas:

- Avicennia germinans* (L.) L. [Matagorda Island]
Citharexylum brachyanthum (A. Gray) A. Gray [Starr County]

Lantana urticoides Hayek [Brewster County]

Phyla nodiflora (L.) Greene [Matagorda Island]

Verbena ambrosifolia Rydb. [El Paso County]

Verbena bonariensis L. [Bowie County]

Verbena brasiliensis Vell. [Travis County]

Verbena halei Small [Matagorda Island]

Verbena neomexicana var. *xylopoda* Perry [Jeff Davis County]

New Mexico:

Verbena canescens H.B.K. [San Miguel County]

Verbena perennis Wooton [Eddy County]

Arizona:

Verbena wrightii A. Gray [Bosque County]

California:

Verbena robusta Greene [Sutter County]

CHANNEL ISLANDS:

Verbena abramsii Mold. [Santa Cruz]

MEXICO:

Aegiphila costaricensis Mold. [Oaxaca]

Aegiphila laevis (Aubl.) Gmel. [Veracruz]

Aegiphila monstrosa Mold. [Veracruz]

Aloysia gratissima (Gill. & Hook.) Troncoso [México]

Bouchea flabelliformis M. E. Jones [Jalisco & Michoacán]

Citharexylum calvum Mold. [Quintana Roo]*

Citharexylum caudatum f. *angustifolium* Mold. [Tabasco]

Citharexylum donnell-smithii var. *pubescens* Mold. [Jalisco]*

Citharexylum hexangulare f. *parvifolium* Mold. [Oaxaca & Tabasco]*

Citharexylum lycioides D. Don [Durango]

Citharexylum standleyi var. *mexicanum* Mold. [Jalisco]

Lantana glandulosissima f. *flava* Mold. [Guerrero]

Lantana langlassaei Mold. [Jalisco]

Lantana microcephala f. *brevipes* Mold. [Jalisco]*

Lantana notha Mold. [Campeche]

Lippia chiapasensis Loes. [Veracruz]

Lippia mcvaughi Mold. [Michoacán]

Lippia mcvaughi var. *latifolia* Mold. [Jalisco]*

Stachytarpheta grisea Mold. [Quintana Roo]*

Verbena gentryi Mold. [Oaxaca]

Verbena integrifolia Sessé & Moc. [Jalisco]

Verbena neomexicana (A. Gray) Small [Durango]

Verbena polyantha (Umber) Mold. [Oaxaca]

GUATEMALA:

Lantana glandulosissima f. *parvifolia* Mold. [Alta Verapaz, Guatemala, Huehuetenango, Izabal, Sacatepéquez, & Zacapa]

Lantana hirta Grah. [San Marcos]

Verbena litoralis f. *albiflora* (Mold.) Mold. [Baja Verapaz]

BELIZE:

Paepalanthus pilosus var. *microcephalus* Mold.

HONDURAS:

Aegiphila skutchii Mold. [Morazán]

Bouchea nelsonii Greenm. [La Union]

Bouchea prismatica var. *longirostra* Grenz. [Comayagua]

Lantana glandulosissima f. *parvifolia* Mold. [Cortés & El Paraíso]

Stachytarpheta angustifolia (Mill.) Vahl

Tectona grandis f. *pilosula* Mold. [Colón]

BAY OF HONDURAS ISLANDS:

Stachytarpheta jamaicensis (L.) Vahl [Chapel]

EL SALVADOR:

Lantana trifolia f. *oppositifolia* Mold. [Santa Ana]

Lippia cardiostegia Benth. [San Martín]

Stachytarpheta robinsoniana Mold. [Ahuachapán]

NICARAGUA:

Lippia curtisiana Mold. [Estelí & Madriz]

COSTA RICA:

Aegiphila valerii Standl. [Puntarenas]

Callicarpa acuminata H.B.K. [Heredia]

Citharexylum caudatum L. [Puntarenas]

Citharexylum donnell-smithii Greenm. [Cartago]

Citharexylum schottii Greenm. [Guanacaste]

Eriocaulon woodsonianum Mold. [Guanacaste]

Lantana costaricensis var. *pubescens* Mold. [Puntarenas]*

Lantana glandulosissima f. *parvifolia* Mold. [Alajuela, Cartago, & Guanacaste]

Lippia graveolens f. *microphylla* Mold. [San José]

Paepalanthus costaricensis Mold. -- delete the asterisk

Priva lappulacea f. *albiflora* Mold. [Limón]

Vitex cooperi Standl. [San José]

PANAMA:

Aegiphila cephalophora Standl. [Veraguas]

Aegiphila hochnei var. *panamensis* Mold. [Colón & Panamá]*

Aegiphila pendula Mold. [Panama]

Cornutia microcalycina var. *pulverulenta* Mold. [Coiba Island]

Eriocaulon woodsonianum Mold. -- delete the asterisk

Lantana camara L. [Bocas del Toro; Coiba Island]

Lantana camara var. *aculeata* (L.) Mold. [Chiriquí]

Lantana camara var. *moritziana* (Otto & Dietr.) López-Palacios
[Colón]

Lantana glandulosissima f. *parvifolia* Mold. [Canal Zone & Chiriquí]

Paepalanthus costaricensis Mold. [Bocas del Toro]

Paepalanthus pilosus (H.B.K.) Kunth [Bocas del Toro]

Stachytarpheta mutabilis (Jacq.) Vahl [Panamá]

BAHAMAS ISLANDS:

Citharexylum caudatum f. *parvifolium* Mold. [Crooked]

Duranta repens f. *integrifolia* (Tod.) Mold. [Long]

Petitia domingensis Jacq. [North Andros]

Priva lappulacea (L.) Pers. [Crooked]

Stachytarpheta jamaicensis (L.) Vahl [North Andros]

CUBA:

Duranta arida Britton -- delete the asterisk

HISPANIOLA:

Citharexylum caudatum f. *parvifolium* Mold. [Dominican Republic]

Clerodendrum spinosum f. *parvifolium* Mold. [Dominican Republic]*

Duranta arida var. *domingensis* (Urb.) Mold. -- delete the asterisk
Lantana arida var. *portoricensis* Mold. [Dominican Republic]
Stachytarpheta dichotoma f. *albiflora* (Mold.) Mold. [Dominican Republic]

HISPANIOLAN OFFSHORE ISLANDS:

Lantana arida var. *portoricensis* Mold. [Mona]

PUERTO RICO:

Duranta arida var. *domingensis* (Urb.) Mold.

PUERTO RICAN OFFSHORE ISLANDS:

Avicennia germinans (L.) L. [Matica & Piedra]

Duranta arida var. *domingensis* (Urb.) Mold.

Duranta fletcheriana Mold. -- to be deleted

VIRGIN ISLANDS:

Duranta arida Britton & P. Wils. [Saint Thomas]

COLOMBIA:

Aegiphila filipes Mart. & Schau. [Chocó]

Duranta repens var. *lopez-palacií* Mold. [Cauca]

Lantana cujabensis Schau. [Chocó]

Lantana glandulosissima f. *parvifolia* Mold. [Cundinamarca, Magdalena, Norte de Santander, & Santander]

VENEZUELA:

Aegiphila glandulifera Mold. [Apure]

Aegiphila integrifolia (Jacq.) Jacq. [Apure]

Aegiphila integrifolia var. *guianensis* (Mold.) López-Palacios [Portuguesa]

Aegiphila laevis (Aubl.) Gmel. [Amazonas]

Aegiphila lhotzkiana Cham. [Falcón]

Aegiphila membranacea Turcz. [Amazonas & Lara]

Aegiphila mollis H.B.K. [Zulia]

Aegiphila perplexa Mold. [Táchira]

Aegiphila quinduensis (H.B.K.) Mold. [Táchira]

Aegiphila racemosa Vell. [Lara]

Citharexylum poeppigii var. *calvescens* Mold. [Delta Amacuro]

Duranta repens f. *alba* (Masters) Matuda [Mérida]

Duranta repens var. *lopez-palacií* Mold. [Distrito Federal]

Eriocaulon dimorphopetalum Mold. [Amazonas]

Lantana armata var. *velutina* Mold. [Miranda]

Lantana glutinosa var. *orientalis* Mold. [Falcón]

Lantana trifolia L. [Zulia]

Leiothrix flavescens var. *chimantensis* Mold. [Amazonas]

Lippia alba f. *intermedia* Mold. [Apure]

Paepalanthus tortilis (Bong.) Mart. [Bolívar]

Petrea aspera Turcz. [Zulia]

Stachytarpheta mutabilis var. *maxoni* Mold. [Aragua]

Syngonanthus duidae Mold. [Bolívar]

Syngonanthus fertilis var. *hirtellus* Mold. [Amazonas]

Syngonanthus gracilis var. *tenuissimus* Ruhl. [Bolívar]

GUYANA:

Petrea candolleana Schau. -- delete the asterisk

Petrea riparia Mold.

SURINAM:

Aegiphila macrantha Ducke

FRENCH GUIANA:

Tonina fluviatilis f. *parvifolia* Mold. -- to be deleted

ECUADOR:

Aegiphila haughtii Mold. [Pichincha]*Aegiphila pendula* Mold. [Esmeraldas]*Aegiphila volubilis* Mold. [El Oro]*Aloysia scorodoniooides* var. *parvifolia* Mold. [Pichincha]*Duranta repens* f. *integrifolia* (Tod.) Mold. [Manabi]*Lantana camara* L. [Napo]*Lippia alba* f. *intermedia* Mold. [Napo]*Lippia americana* L. [El Oro]*Phyla strigulosa* (Mart. & Gal.) Mold. [El Oro]*Stachytarpheta cayennensis* (L. C. Rich.) Vahl [Napo]*Tectona grandis* f. *tomentella* Mold. [El Oro]*Vitex schunkei* Mold. [Napo]

PERU:

Aegiphila insignis Mold. [Huánuco]*Aegiphila lanceolata* Mold. [Pasco]*Aegiphila loretensis* Mold. [Loreto]**Aegiphila pendula* Mold. [Loreto]*Aegiphila pendula* var. *peruviana* Mold. [Loreto]*Aegiphila sordida* Mold. [Huánuco & Pasco]*Aegiphila volubilis* Mold. [Huánuco & Pasco]*Aloysia scorodoniooides* var. *parvifolia* Mold. [Huancavelica]*Citharexylum ilicifolium* H.B.K. [Cajamarca]*Citharexylum macrophyllum* Poir. [Madre de Dios]*Citharexylum pachyphyllum* var. *pesquedense* Mold. [La Libertad]**Clerodendrum tessmanni* Mold. [Madre de Dios]*Cornutia microcalycina* Pav. & Mold. [Pasco]*Duranta mandoni* Mold. [Cajamarca & Junín]*Lantana glutinosa* var. *rugosa* Mold. [San Martin]*Lantana scabiosaeiflora* var. *hirsuta* Mold. [La Libertad & Lima]*Paepalanthus planifolius* (Bong.) Körn. [Pasco]*Phyla betulaefolia* (H.B.K.) Greene [Becerro Island]*Phyla strigulosa* (Mart. & Gal.) Mold. [Loreto]*Verbena villifolia* Hayek [Pasco]*Vitex cymosa* Bert. [Loreto]*Vitex schunkei* Mold. [Pasco]

BRAZIL:

Aegiphila graveolens Mart. & Schau. [Acre]*Aegiphila laevis* (Aubl.) Gmel. [Pará]*Aloysia dusenii* Mold. [Rio Grande do Sul]*Avicennia germinans* f. *aberrans* Mold. [Sergipe]*Avicennia germinans* var. *guayaquilensis* (H.B.K.) Mold. [Sergipe]*Avicennia schaueriana* f. *candicans* Mold. [Sergipe]*Duranta repens* L. [Mato Grosso]*Eriocaulon tenuifolium* f. *viviparum* Mold. [Roraima]*Lantana cujabensis* f. *albiflora* Mold. [Pará]**Lantana hypoleuca* Briq. [Espírito Santo]*Lantana spiraeastrum* Mart. & Schau. [Rio de Janeiro]

- Lantana undulata* Schrank [Espirito Santo]
Lippia arechavaletae Mold. [Rio Grande do Sul]
Lippia elegans var. *macrophylla* Mold. [Distrito Federal]*
Lippia grisea var. *latifolia* Mold. [Distrito Federal]*
Lippia microphylla Cham. [Ceara & Piauí]
Lippia pumila Cham. [Distrito Federal & Minas Gerais]
Lippia recollectae var. *pickelii* (Mold.) Mold. -- delete the asterisk
Lippia sidoides Cham. [Rio Grande do Norte]
Lippia stachyoides Cham. [Distrito Federal]
Paepalanthus macrotrichus var. *puberulus* Mold. [Bahia]*
Paepalanthus nigricans Alv. Silv. [Bahia]
Paepalanthus polycladus Alv. Silv. [Bahia]
Paepalanthus ramosus (Wikstr.) Kunth [Espirito Santo]
Paepalanthus trichophyllus (Bong.) Körn. [Goiás]
Petrea candolleana Schau. [Amazônas]
Phyla nodiflora var. *reptans* (Spreng.) Mold. [Rio Grande do Sul]
Stachytarpheta canescens var. *elliptica* Mold. [Bahia]
Stachytarpheta gesnerioides var. *alata* Mold. [Minas Gerais]*
Stachytarpheta gesnerioides var. *cuneata* Schau. [Distrito Federal]
Stachytarpheta goyazensis Turcz. [Bahia]
Stachytarpheta restingensis var. *hispidula* Mold. [Rio de Janeiro]*
Stachytarpheta reticulata var. *bahiensis* Mold. [Bahia]*
Stachytarpheta sessilis Mold. [Bahia]
Stachytarpheta villosa var. *bahiensis* Mold. [Bahia]*
Syngonanthus caulescens f. *angustifolius* Mold. [Roraima]
Syngonanthus densiflorus var. *brevis* Mold. [Distrito Federal]*
Syngonanthus gracilis var. *luetzburgii* Herzog [Espirito Santo]
Syngonanthus humboldtii var. *simplex* Mold. [Goiás]
Syngonanthus nitens var. *hirtulus* Ruhl. [Distrito Federal]
Syngonanthus umbellatus f. *brachiphyllus* (Huber) Mold. [Amazônas]
Verbena litoralis H.B.K. [Distrito Federal]
Verbena storeoclada Briq. [Mato Grosso]

SÃO LUIZ ISLAND:

Vitex schaueriana Mold.

BOLIVIA:

- Aegiphila boliviiana* Mold. [El Beni & Pando]
Aegiphila glandulifera Mold. [Pando]
Aloysia scorodonioides var. *hypoleuca* (Briq.) Mold. [Santa Cruz]
Aloysia virgata var. *argutedentata* Mold. [Chuquisaca]
Bouchea beckii Mold. [Chuquisaca]*
Bouchea boliviiana (Kuntze) Mold. [La Paz]
Bouchea rusbyi Mold. [Tarija]
Duranta recurvistachys Rusby [Santa Cruz]
Junellia bisulcata (Hayek) Mold. [Tarija]
Lantana cujabensis Schau. [Pando]
Lantana fiebrigii Hayek [Chuquisaca]
Lantana micrantha var. *beckii* Mold. [Tarija]
Lantana ovata var. *pubescens* Mold. [Santa Cruz]
Lippia alba f. *intermedia* Mold. [Santa Cruz]
Lippia recollectae var. *pickelii* (Mold.) Mold. [Tarija]

- Phyla strigulosa* (Mart. & Gal.) Mold. [Tarija]
Priva lappulacea (L.) Pers. [Pando]
Stachytarpheta dichotoma (Ruiz & Pav.) Vahl [Tarija]
Syngonanthus nitens f. *pilosus* Mold. [Santa Cruz]
Verbena peruviana (L.) Britton [Chuquisaca]

PARAGUAY:

- Aegiphila paranensis* Mold.*
Lantana lamiana Mold. -- to be deleted
Lippia arechavaletae Mold. -- to be deleted
Lippia lamiana (Mold.) Mold.*
Lippia lupulina f. *alba* Mold.*
Pitraea cuneato-ovata (Cav.) Caro

ARGENTINA:

- Aloysia virgata* var. *argutedentata* Mold. [Santiago del Estero & Tucumán]
Duranta recurvistachys Rusby [Jujuy, Salta, & Tucumán]
Lantana megapotamica (Spreng.) Troncoso [Corrientes]

ETHIOPIA:

- Chascanum hildebrandtii* (Vatke) Gillett
Chascanum sessilifolium (Vatke) Mold.
Clerodendrum acerbianum (Visiani) Benth.
Clerodendrum eburneum Chiov.*
Clerodendrum hildebrandtii Vatke
Clerodendrum incisum var. *vinosum* Chiov.
Clerodendrum johnstoni Oliv.
Clerodendrum microphyllum Thomas
Clerodendrum neumayeri Vatke
Clerodendrum somalense Chiov.
Clerodendrum ugandense Prain
Coelocarpum africanum Mold.
Cyclocheilon ovatum Engl.*
Cyclocheilon physocalyx Chiov.
Cyclocheilon somalense Oliv.
Lantana concinna J. G. Baker
Lantana rugosa Thunb.
Lippia carvioidora Meikle
Lippia radula J. G. Baker
Lippia somalensis Vatke
Premna angolensis Gürke
Premna senensis Klotzsch
Premna suaveolens Chiov.
Priva curtisiae Kobuski
Verbena tenera Spreng.
Vitex doniana Sweet
Vitex madiensis Oliv.
Vitex negundo L.
Vitex tangensis Gürke

REPUBLIC OF SOMALI:

- Chascanum sessilifolium* (Vatke) Mold. -- delete the asterisk
Clerodendrum microphyllum Thomas -- delete the asterisk
Coelocarpum africanum Mold. -- delete the asterisk

Cyclocheilon physocalyx Chiov. -- delete the asterisk
Lantana concinna J. G. Baker -- delete the asterisk
Premna suaveolens Chiov. -- delete the asterisk

REPUBLIC OF GUINEA:

Clerodendrum sylvae J. G. Adam*

CENTRAL AFRICAN REPUBLIC:

Clerodendrum triplinerve Rolfe

TANGANYIKA (TANZANIA):

Clerodendrum micranthum Gill

KENYA:

Lippia carvioidora Meikle -- delete the asterisk

Lippia radula J. G. Baker -- delete the asterisk

ARABIA:

Lantana tiliaefolia Cham. [Yemen]

INDIA:

Callicarpa arborea Roxb. [Tripura]

Callicarpa longifolia Lam. [East Punjab]

Callicarpa macrophylla Vahl [Haryana & Nagaland]

Caryopteris odorata (Hamilt.) B. L. Robinson [Haryana]

Clerodendrum indicum (L.) Kuntze [Haryana]

Clerodendrum kaempferi Sieb. [East Punjab]

Clerodendrum phlomidis L. f. [Haryana]

Clerodendrum splendens G. Don [East Punjab]

Clerodendrum viscosum Vent. [Chota Nagpur]

Eriocaulon cinereum R. Br. [Tripura]

Gmelina arborea Roxb. [Tripura]

Gmelina arborea var. *canescens* Haines [Chota Nagpur]

Gmelina asiatica f. *inermis* (Wight) Mold.*

Gmelina asiatica f. *integrifolia* Mold.*

Gmelina asiatica f. *parvifolia* (Roxb.) Mold.*

Gmelina elliptica J. E. Sm. -- to be deleted

Gmelina philippensis Cham. [East Punjab]

Gmelina vestita Wall. -- to be deleted

Lantana camara L. [Madhya Pradesh]

Lantana camara var. *aculeata* (L.) Mold. [Haryana]

Lantana indica Roxb. [Haryana]

Nyctanthes arbor-tristis L. [Haryana]

Premna latifolia var. *mucronata* (Roxb.) C. B. Clarke [Haryana]

Surfacea bracteata (Wall.) Mold. [West Bengal]

Surfacea interrupta (Wall.) Mold. [West Bengal]

Tectona grandis f. *tomentella* Mold. [Maharashtra]

Verbena bonariensis L. [Haryana]

Verbena officinalis L. [Haryana]

Vitex negundo L. [Haryana]

SRILANKAN OFFSHORE ISLANDS:

Phyla nodiflora (L.) Greene [Kayats]

BURMA:

Gmelina vestita Wall. [Upper Burma]*

CHINA:

Callicarpa dichotoma (Lour.) K. Koch [Fukien]

Callicarpa rubella var. *hemsleyana* Diels [Kiangsi]

Holmskioldia sanguinea Retz [Kwangtung]

Verbena officinalis L. [Hupeh]

Vitex negundo var. *cannabifolia* (Sieb. & Zucc.) Hand.-Mazz. [Anh-wei]

THAILAND:

Clerodendrum citrinum Ridl.

ADANO ISLAND:

Vitex turczaninowii Merr.

CAMBODIA:

Gmelina philippensis Cham.

VIETNAM:

Gmelina philippensis f. *colorata* (Kuntze) Mold. [Cochinchina]*

Gmelina philippensis f. *viridibracteata* (Kuntze) Mold. [Cochinchina]*

MALAYA:

Clerodendrum citrinum Ridl. [Kalantan]

Clerodendrum deflexum var. *villosum* Mold. [Singapore]

Gmelina philippensis Cham. [Kedah, Kelantan, Perlis, & Singapore]

Stachytarpheta urticaefolia (Salisb.) Sims [Malacca]

MALAYAN ISLANDS:

Gmelina elliptica J. E. Sm. [Prince of Wales]

TAIWAN:

Gmelina philippensis Cham.

PHILIPPINE ISLANDS:

Verbena tenuisecta Briq. [Luzon]

PALAU ISLANDS:

Callicarpa elegans Hayek [Palau]

Premna obtusifolia R. Br. [Koror]

GREATER SUNDA ISLANDS:

Clerodendrum lindleyi Decaisne [Sabah]

Eriocaulon truncatum Hamilt. [Celebes]

Sphenodesme involucrata (Presl) B. L. Robinson [Kalimantan]

Vitex negundo var. *heterophylla* (Franch.) Rehd. [Celebes]

MOLUCCA ISLANDS:

Gmelina moluccana (Blume) Backer [Ay & Neira]

NEW GUINEAN ISLANDS:

Avicennia eucalyptifolia Zipp. [Parama]

Gmelina dalrympleana (F. Muell.) H. J. Lam [Darn, Fergusson, & Normanby]

Gmelina lepidota Scheff. [Tow]

SOLOMON ISLANDS:

Callicarpa caudata Maxim. [Guadalcanal]

Gmelina moluccana f. *glabrescens* (Mold.) Mold. [San Cristoval]

FIJI ISLANDS:

Gmelina vitiensis (Seem.) Seem. [Kandavu, Ngau, & Vanua Levu]

AUSTRALIA:

Callicarpa brevistylis Munir [Northern Territory]

Callicarpa caudata Maxim. [Queensland]

Callicarpa macrophylla Vahl [Queensland]

Callicarpa thozetii Munir [Queensland]*

Premna hylandiana Munir [Queensland]*

AUSTRALIAN ISLANDS:

Callicarpa brevistylis Munir [Groot]

NEW ZEALAND:

Verbena hastata L.

CULTIVATED:

Aloysia virgata var. *elliptica* (Briq.) Mold. [Mexico]

Clerodendrum aculeatum (L.) Schlecht. [Guinea Bissau]

Clerodendrum calamitosum L. [France]

Clerodendrum incisum var. *macrosiphon* (Hook. f.) J. G. Baker
[Dominican Republic]

Clerodendrum myricoides (Hochst.) R. Br. [Dominican Republic]

Clerodendrum paniculatum L. [Puerto Rico]

Clerodendrum splendens G. Don [Jamaica]

Duranta mutisii L. f. [Venezuela]

Duranta repens L. [Dominican Republic]

Duranta repens f. *alba* (Masters) Matuda [Brazil]

Duranta stenorachya Tod. [Venezuela]

Gmelina arborea Roxb. [Mexico]

Gmelina arborea var. *canaescens* Haines [Brazil]

Gmelina philippensis Cham. [Natal]

Lantana camara L. [Zimbabwe]

Lantana camara f. *alba* (Mold.) Mold. [Dominican Republic]

Lantana camara f. *hybrida* (Neubert) Mold. [Dominican Republic]

Lantana camara f. *parvifolia* Mold. [Dominican Republic]

Lantana camara f. *sanguinea* (Medic.) Mold. [Dominican Republic]

Lantana cujabensis Schau. [Ecuador]

Lantana glandulosissima f. *parvifolia* Mold. [Mexico]

Lantana tiliacefolia Cham. [Yemen]

Lantana trifolia L. [Ecuador]

Lippia graveolens H.B.K. [Wisconsin]

Lippia origanoides Cham. [Brazil]

Premna obtusifolia R. Br. [Florida]

Stachytarpheta dichotoma (Ruiz & Pav.) Vahl [Michigan]

Stachytarpheta mutabilis var. *maxoni* Mold. [Hawaiian Islands]

Verbena litoralis H.B.K. [Michigan]

Vitex cymosa Bert. [Venezuela]

Vitex negundo var. *cannabifolia* (Sieb. & Zucc.) Hand.-Mazz.
[Louisiana]

Vitex trifolia var. *subtrisepta* (Kuntze) Mold. [Midway Island]

II. Additional and emended rejected names, including misspellings and variations in accreditation

Aegephylla Feitão = *Aegiphila* Jacq.

Aegiphila animala Pittier = *A. anomala* Pittier

Aegiphila subthyrsoides Pitt. = *Citharexylum subthyrsoides* Pittier

Aegiphilla lhotzkiana Mantovani = *Aegiphila lhotzkiana* Cham.

Aegiphylla macrophila Kunth = *Aegiphila elata* Sw.

Aegiphylla martinicense Jacq. = *Aegiphila martinicensis* Jacq.

Alloysia wrightii (Gray) Heller = *Aloysia wrightii* (A. Gray) Heller

Avicennia alba Brown = *A. marina* (Forsk.) Vierh.

- Avicennia alba* Hi. = *A. alba* Blume
Avicennia eucalyptifolia Zipp. ex Mig. = *A. eucalyptifolia* Zipp.
Avicennia eucalyptifolia Zipp. ex Miq. = *A. eucalyptifolia* Zipp.
Avicennia marina (Forsk.) Vlrgll = *A. marina* (Forsk.) Vierh.
Avicennia officinalis I. = *A. officinalis* L.
Avicennia officinalis sensu Ewart = *A. marina* (Forsk.) Vierh.
Avicennia schaueriana Staps & Bachman = *A. schaueriana* Staph & Leechman
Avicennia tonduzil Mold. = *A. tonduzii* Mold.
Burroughsia fastigiata (T. S. Brandeg.) Mold. = *Lippia fastigiata* T. S. Brandeg.
Callicarpa pedicellata R. Br. = *C. longifolia* Lam.
Caryopteris grata Benth. = *C. foetida* (D. Don) Thellung
Caryopteris grata Kurz = *C. foetida* (D. Don) Thellung
Caryopteris grata (Wall.) Benth. = *C. foetida* (D. Don) Thellung
Cetharoxyllum Todzia & Moran = *Citharexylum* B. Juss
Cithareoxylon L. = *Citharexylum* B. Juss.
Cithareoxylon fruticosum L. = *Citharexylum fruticosum* L.
Citharesylum Green = *Citharexylum* B. Juss.
Citharesylum hexangulare Green = *Citharexylum hexangulare* Greenm.
Clerodendron v. G. = *Clerodendrum* Burm.
Clerodendron aculeata L. = *Clerodendrum aculeatum* (L.) Schlecht.
Clerodendron blumeanum Schau. = *Clerodendrum buchanani* (Roxb.) Walp.
Clerodendron blumeanum var. *typicum* H. J. Lam = *Clerodendrum buchanani* (Roxb.) Walp.
Clerodendron emirnense Bot. Mag. = *Clerodendrum emirnense* Bojer
Clerodendron fragrans Spreng. = *Clerodendrum philippinum* Schau.
Clerodendron inerme (L.) Gaertn. = *Clerodendrum inerme* (L.) Gaertn.
Clerodendron inerme Roxb. = *Clerodendrum inerme* (L.) Gaertn.
Clerodendron phlomoides Roxb. = *Clerodendrum phlomidis* L. f.
Clerodendron sieboldii Kuntze = *Caryopteris chosenensis* Mold.
Clerodendron siphonanthus Spreng. = *Clerodendrum indicum* (L.) Kuntze
Clerodendron speciosissimum V. G. ex Morren = *Clerodendrum speciosissimum* Van Geert
Clerodendron thomsonae Balf. = *Clerodendrum thomsonae* Balf. f.
Clerodendron aculeatum (L.) Schltr. = *C. aculeatum* (L.) Schlecht.
Clerodendrum canosulum Bak. = *C. carnosulum* J. G. Baker
Clerodendrum floribundum Lindl. = *C. emirnense* Bojer
Clerodendrum helianthemifolium Wall. = *Caryopteris odorata* (Hamilt.) B. L. Robinson
Clerodendrum odoratum Ham. = *Caryopteris odorata* (Hamilt.) B. L. Robinson
Clerodendrum pulayarnaletta var. *trivandrum* Hort. = *C. viscosum* Vent.
Clerodendrum speciosum Van Geert = *C. speciosissimum* Van Geert
Duranta plumiere Jacq. = *D. repens* L.
Duranta repens L. f. = *D. repens* L.
Eleocharis chrysanthemiflorum Schnitzl. = *Syngonanthus anthemiflorus* (Bong.) Ruhl.
Garettia Raj = *Garrettia Fletcher*
Geunsia moluccana Lam = *Gmelina moluccana* (Blume) Backer
Glandularia bipinnatifida (Nutt.) Nutt. = *Verbena bipinnatifida* Nutt.
Glandularia bipinnatifida (Nutt.) Nutt. = *Verbena bipinnatifida* Nutt.

- Glandularia canadensis* (L.) Nutt. = *Verbena canadensis* (L.) Britton
Glandularia flava Gill. & Hook. = *Verbena flava* Gill. & Hook.
Glandularia herteri (Mold.) = *Verbena herteri* Mold.
Gmelina arborea (L.) Roxb. = *G. arborea* Roxb.
Gmelina inermis Blanco = *G. philippensis* Cham.
Gmelina integrifolia Hunter = *G. elliptica* J. E. Sm.
Gmelina leichhardtii var. *glabra* F. Muell. = *G. fasciculiflora* Benth.
Gmelina papuana Scheff. = *G. sessilis* var. *papuana* (Bakh.) Mold.
Gmelina quadrifida H. J. Lam = *G. uniflora* var. *villosa* Bakh.
Gmelina solomensis Bakh. = *G. moluccana* (Blume) Backer
Gmelina spectabilis Ridl. = *G. uniflora* Stapf
Gmelina tacabushia Hamilton = *Wightia speciosissima* (D. Don) Merr.
Gmelina [sp.]? Guillaum. = *G. lignum-vitreum* Guillaum.
Holmskoidia Saunders = *Holmskioldia* Retz
Jambusa sylvestris parvifolia Rumpf = *Gmelina elliptica* f. juv.
 lobata (Gaertn.) Mold.
Jasminum L. -- in the Oleaceae
Jasminum Rumpf = *Clerodendrum* Burm.
Jasminum Tourn. = *Jasminum* L., Oleaceae
Lachnostachys ferruginea var. *obtusifolia* Munir = *L. ferruginea* var.
 paniculata f. *obtusifolia* Munir
Lachnostachys ferruginea var. *paniculata* Munir = *L. ferruginea* var.
 paniculata Munir
Lantana L. = *Lantana* L.
Lantana trifolia L. = *Lantana trifolia* L.
Lantana aculeata Sesse & Moc. = *L. glandulosissima* f. *parvifolia*
 Mold.*
Lantana berlandieri Schau. = *Lippia graveolens* H.B.K.
Lantana camara var. *aculeata* (L.) Mold. = *L. camara* var. *aculeata*
 (L.) Mold.
Lantana camara var. *nivea* (Vert.) L. H. Bailey = *L. camara* var. *nivea*
 (Vent.) L. H. Bailey
Lantana canescens Clarke = *Lippia alba* (Mill.) N. E. Br.
Lantana carara L. = *L. camara* L.
Lantana glandulosissima Hayek = *L. glandulosissima* Hayek
Lantana glazioviana Mold. = *L. glaziovii* Mold.
Lantana lamiana Mold. = *Lippia lamiana* (Mold.) Mold.
Lantana lippiodoides Hook. = *Lippia alba* (Mill.) N. E. Br.
Lantana mexicana Ghiesbreght = *L. glandulosissima* f. *parvifolia* Mold.
Lantana montevidensis Brig. = *L. montevidensis* (Spreng.) Briq.
Lantana somalensis (Vatke) Engl. = *Lippia somalensis* Vatke
Lantana H.B.K. = *Lantana* L.
Lantana canescens H.B.K. = *Lantana canescens* H.B.K.
Leiothrix flavescens alpina Mold. = *L. flavescens* var. *alpina* Mold.
Leiothrix tegulifera Briq. = *Lippia tegulifera* Briq.
Lippia alba (Mill.) Britton & Wilson = *L. alba* (Mill.) N. E. Br.
Lippia berlandieri Tor. = *L. graveolens* H.B.K.
Lippia fragans Turcz. = *L. fragrans* Turcz.
Lippia (?) *kituensis* Vatke = *L. kituensis* Vatke
Lippia ? *kituiensis* Vatke = *L. kituiensis* Vatke
Lippia libertensis Reis & Lipp = *L. liberiensis* Mold.
Lippia lupulina var. *albiflora* Troncoso = *L. lupulina* f. *alba* Mold.

- Lippia opiniata* Knobloch = *L. inopinata* Mold.
Lippia origanoides Mart. & Gal. = *L. graveolens* H.B.K.
Lippia paraguariensis Briq. = *L. lupulina* f. *alba* Mold.*
Lippia paraguariensis Briq., Chod., & Hassl. = *L. lupulina* f. *alba* Mold.
Lippia pringlei Brign. = *L. pringlei* Briq.
Lippia pycnocephala H. R. = *L. myriocephala* var. *hypoleia* (Briq.) Mold.
Lippia schomburghiana Schau. = *L. schomburgkiana* Schau.
Lippia thymifolia [Mart. & Schau.] = *L. thymoides* Mart. & Schau.
Lippia turvinata Gris. = *L. turbinata* Griseb.
Mesanthemum erici-rosebii T. Fries = *M. erici-rosenii* T. Fries
Newcastelia cephalantha var. *oblongata* Munir = *N. cephalantha* var. *oblonga* Munir
Nyctanthes arbor-tristis L. = *N. arbor-tristis* L.
Paepalanthus andicola var. *villosa* Mold. = *P. andicola* var. *villosus* Mold.
Paepalanthus capillaceus *proliferus* Gleason = *P. capillaceus* f. *proliferus* (Gleason) Mold.
Paepalanthus fastigiatus (Bong.) Ruhl. = *P. fastigiatus* (Bong.) Körn.
Paepalanthus kunhardlii Mold. = *P. kunhardtii* Mold.
Paepalanthus macrocaulon var. *glaber* Mold. = *P. macropodus* var. *glaber* (Mold.) Mold.
Petasites L. = *Petasites* Tourn., *Carduaceae*
Petasites Mill. = *Petasites* Tourn., *Carduaceae*
Petasites Rumpf = *Clerodendrum* Burm.
Petasites Tourn. -- in the *Carduaceae*
Petasites [Tourn.] L. = *Petasites* Tourn., *Carduaceae*
Petetea Schau. = *Petitia* Jacq.
Petetea poeppigii Schau. = *Petitia domingensis* var. *poeppigii* (Schau.) Mold.
Petraea subserrata Cham. = *Petrea racemosa* Nees
Pityrodia quadrangularis Munir = *P. quadrangulata* Munir
Premna Marianarum Schau. = *P. mariannarum* Schau.
Premna Marianarum f. *dentata* Mold. = *P. mariannarum* f. *dentata* Mold.
Priva bahiacensis DC. = *P. bahiensis* P. DC.
Sijmaphorema Bakh. = *Sympcorema* Roxb.
Stachytarpheta ciliata Kuntze = *S. jamaicensis* (L.) Vahl
Stachytarpheta dichotoma R. & P. = *S. dichotoma* (Ruiz & Pav.) Vahl
Stachytarpheta nelsonii (Robins. & Greenm.) Standl. = *S. nelsonii* Robinson & Greenm.
Stachytarpheta trinitensis Mold. = *S. trinitensis* Mold.
Syngonanthus xeranthemooides var. *angustifolius* Mold. = *S. xeranthe-*
moides f. *angustifolius* Mold.
Tonnia Løjtnant & Molau = *Tonina* Aubl.
Valerianodea Cardenas = *Stachytarpheta* Vahl
Verbena benariensis L. = *V. bonariensis* L.
Verbena teucriifolia Mart. = *V. platensis* Spreng.
Vervena nodiflora L. = *Phyla nodiflora* (L.) Greene
Vitex vitiensis Seem. = *Gmelina vitiensis* (Seem.) Seem.

Vitex vitiensis (Seem.) Seem. = *Gmelina vitiensis* (Seem.) Seem.

Vitex (Euagnus) vitiensis Seem. = *Gmelina vitiensis* (Seem.) Seem.

Vitex quinata var. *puberula* (H. J. Lam) Mold. = *V. turczaninowii*
f. *puberula* (H. J. Lam) Mold.

Volcameria Heist. = *Cedronella* Moench, Lamiaceae

Volckameria Fabr. = *Cedronella* Moench, Lamiaceae

Volckameria Heist. = *Cedronella* Moench, Lamiaceae

Volkameria (L.) Jacq. = *Clerodendrum* Burm.

Zapania geminata Gib. = *Lippia alba* var. *globiflora* (L'Hér.) Mold.